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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 10/031,394 | 01/18/2002 | Nobuto Ohnuma | R0109T | 2285 |

7590

10/23/2002

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| EXAMINER |
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MOHANDESI, IRAJ A

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| ART UNIT | PAPER NUMBER |
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2834

DATE MAILED: 10/23/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/031,394

Applicant(s)

OHNUMA ET AL.

Examiner

Iraj A Mohandesi

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on 18 January 2002.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☐ Claim(s) _____ is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☐ Claim(s) _____ is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☒ Claim(s) 12-20 are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Election/Restrictions

1. Restriction to one of the following intentions required less than 35 U.S.C. 121
 - I. Claim 12 drawn to a motor for an electric vehicle having an armature, a rotor, a motor casing ,an output shaft a reduction gear,
classified in class 310 subclass 83.
 - II. Claim 13 drawn to a curable resin having high thermal conduction is charged into the motor casing where the resin is cured ,at the time of charging the resin is inserted to secure a space for placing the rotor therein
classified in class 310 subclass 43.
 - III. Claims 14,15 drawn to method of producing a motor for an electric vehicle comprising ; an armature ,a rotor ,a shaft, a casing for holding a reduction gear
Classified in class 29 subclass 596.
 - IV. Claims 16-20 drawn to motor casing, includes a first casing member and a second member witch covers the armature and the rotor provided with a bearing ,and a third casing member for covering the control section.
Classified in class 310 subclass 89.
2. Inventions Group I, II.IV and Group III are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (III) that the process as claimed can be used to make other and materially different product or (I, II, IV) that the products as claimed can be made by another and

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materially different process (MPEP § 806.05(f)). In the instant case the product can be made by different method of manufacturing a motor comprising an armature and rotor such a molding the resin around the rotor instead of inserting the rotor while curing resin presses,

Method of making a rotor and armature having resin-curing process can be used to produce of any insulated electrical machine such as transformers applying resin around the coils for insulation purposes.

Group I, II; group (I) is combo/sub combination of group (II), since a motor structure comprising an armature, a rotor, a casing, an output shaft, and reduction gear with a lubricating oil has a functional structure on its own and can be combined with a different isolating material rather than resin such as oiled paper or isolating composites.

Group I, IV: group IV is a combo/sub combination of group I, since a casing can be used for any electrical and mechanical machine and a motor with a rotor and shaft can function without a casing.

3. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.

Because these inventions are distinct for the reasons given above and the search required for group (I) is not required for group (II), (III), (IV) or search required for (II), (III) is not required for group (IV), restriction for examination purposes as indicated is proper.

communication

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Iraj A Mohandesi whose telephone number is (703) 305-3242. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nestor Ramirez can be reached on 703-308-1371. The fax phone numbers for the organization where this application or proceeding is assigned are (703)872-9314 for regular communications and (703)872-9314 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)306-0377.

IM
October 18, 2002

KARL TAMAI
PRIMARY EXAMINER
